

Name of Faculty V. Jaipal Reddy  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 14-07- 2008  
 E-mail vjaipalreddy\_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	Pursuing
PG	M.E (Manufacturing Systems)	First
UG	B. Tech (Mechanical)	First

### Work Experience

Teaching	12 Years (Includes research experience)
Research	02 years
Industry	06 months
Others	--
Area of Specialization	Manufacturing systems
Professional Memberships	--
Responsibilities held at Institution Level	Worked as Co-In-Charge, Academics and Examinations, from 17-10-2017 to 10-03-2020.
Responsibilities held at Department Level	1. Member, Course Expert Group-Production. 2. Member, NBA-Accreditation Committee.
Research Guidance	--
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Mechanical Technology, Mechanical Engineering, Engineering Drawing, Elements of Mechanical Engineering, Kinematics of Machines, Mechanics of Materials Theory & Lab, Machine Drawing, Surface Engineering, Production Drawing, Total Quality Management, Supply chain management, CAD&Drafting, WMP.
No. of Papers Published	National Journals – Nil International Journals - 13 National Conference – 01 International Conference – 03
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--

### Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).

1. Co-Coordinator for A One Week TEQIP Sponsored "Finite Element Applications in Mechanical and Civil Engineering-(FEAMCE-2017)" Organized by the Department of Mechanical Engineering, CBIT, Hyderabad, T.S., during 23-01-2017 to 28-01-2017.
2. AICTE sponsored Two Weeks STC Under QIP on "Advanced Material Science and Engineering" Organized by the Department of Mechanical Engineering, CIT, Coimbatore, Tamilnadu during 15-5-05-2017 to 28-05-2017.
3. One week Short term course on "Engineering Research Methodology "organized by Department of Mechanical Engineering, Osmania University, Hyderabad, Telangana from 09-12-2019 to 13-12-2019.
4. One-week Online FDP on "Strategic Planning for Entrepreneurship Promotion" organized by NITTTR, Chandigarh from 04.05.2020to 08.05.2020.
5. One week Online FDP on "Artificial Intelligence" organized by Santhiram Engineering College,Nandyal-A.P from 13.05.2020 to 17.05.2020.

6. One-week Online FDP on “Social Entrepreneurship for Technical Entrepreneurs” organized by NITTTR, Chandigarh from 18.05.2020 to 22.05.2020
7. One-week Online FDP on “Computer Integrated Manufacturing & CNC (CIM/CNC)” organized by NITTTR, Chandigarh from 25.05.2020 to 29.05.2020.
8. One week Online FDP on “Outcome Based Curriculum Design” organized by NITTTR, Chandigarh from 01.06.2020 to 05.06.2020.
9. One week Online FDP on "Waste Management" organized by NITTTR, Chandigarh from 08.06.2020 to 12.06.2020.
10. One week Online FDP on "Industry 4.0- A Vision of Design& Manufacturing", organized by Department of Mechanical Engineering, CBIT(A), Hyderabad during 16/06/2020 to 20/06/2020.
11. One week Online FDP on “Management of Small and Medium enterprises” organized by NITTTR, Chandigarh from 22.06.2020 to 26.06.2020.
12. A One day webinar on "Casting Defects and Remedies with Case Studies”, organized by Extension center Rajkot, MSME-TDC (PPDC), Agra, during 6-052020.
13. Two day Online STC on "New Product Development & Computer Aided Quality, organized by Extension center-Rajkot, MSME-TDC (PPDC),Agra, during 29-05-2020 to 30-05-2020.
14. Completed an online 5 weeks non-credit course “Materials Science: 10 Things Every Engineer Should Know” authorized by University of California, Davis and offered through Coursera on 27-04-2020.
15. Completed an online 4 weeks non-credit course “How to publish and write Scientific paper (Project-centered Course)” authorized by University of Ecole Polytechnique offered through Coursera on 26-04-2020.
16. Completed an online 5 weeks non-credit course “Mechanics of materials-1” authorized by University of Georgia Institute of Technology offered through Coursera on 11-05-2020.
17. Completed an online 4 weeks non-credit course “Manufacturing process with Auto desk Fusion 360” authorized by Autodesk offered through Coursera on 14-05-2020.
18. Completed an online 4 weeks non-credit course Ferrous Technology -I” authorized by Pohang University of Science and Technology through Coursera on 14-05-2020.
19. Completed an online 7 weeks non-credit course “Ferrous Technology” authorized by Pohang University of Science and Technology through Coursera on 21-06-2020.
20. Participated and Received Certificate in the IIC online Sessions Conducted by Institution’s Innovation Council (IIC) of MHRD’s Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and start-ups among HEIs from 28<sup>th</sup> April to 22<sup>nd</sup> May 2020 during COVID-19 nationwide Lockdown.
21. Successfully completed one-month online internship in Research Training from 05.07.2021 to 05.08.2021 (weekdays only) organised by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC).
22. Successfully completed ISTE Sponsored one week online STTP on “Advances in Materials and Manufacturing Techniques (AMMT)”, organized by Department of Mechanical Engineering, Annasaheb Dange College Of Engineering & Technology, Astha, Madhya Pradesh from 1 st July 2021 to 7 th July 2021.

#### **International/National Journals from the Year 2017**

1. P. Anjani Devi , G. Laxmaiah , V. Jaipal Reddy “STATIC AND DYNAMIC ANALYSIS OF HIGH SPEED MOTORIZED SPINDLE” International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, e-ISSN: 2395-0056, Impact Factor value: 7.529 ,Volume: 09 Issue: 05 May 2022, pages 3573-3578.
2. Dr. P. Prabhakar Reddy, Dr. P.V.R. Ravindra Reddy, N. Jyothirmayi, V. Sandhya, V. Jaipal Reddy

"Conceptual Frame Work for Synergetic Academic System Intertwined With Entrepreneurial Practices in Higher Educational Institutions" GRADIVA REVIEW JOURNAL, ISSN NO : 0363-8057, VOLUME 8 ISSUE 6 2022, pages 814-820

3. V. Jaipal Reddy, K.V. Kasi Viswanadham, M. Venkateswar Reddy, G. Sreenivasulu Reddy "Investigate the effect of process variables on the mechanical behavior of aluminum composites using the Friction Stir Process" Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 12, Issue 4, 2021, Pages 502-507.
4. V. Jaipal Reddy, K.V. Kasi Viswanadham "A state-of-the-art review on AI-MMC and its budding applications" Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 12, Issue 5, 2021, Pages 358-362.
5. V. Jaipal Reddy, V. Sandhya, Dr L Suresh Kumar, G. Sreenivasulu Reddy "Experiments on the thermo-mechanical behavior of Al 319 strengthened with recycled glass" Journal of Xi'an University of Architecture & Technology, ISSN No : 1006-7930, Volume XIII, Issue 6, 2021, 470-482.
6. K.V. Kasi Viswanadham, Jyothirmayi Narne, V. Jaipal Reddy, G. Sreenivasulu Reddy "A CRITICAL REVIEW ON STATIC AND DYNAMIC ANALYSIS OF PROTECTIVE STRUCTURES" Journal of Shanghai Jiaotong University, ISSN: 1007-1172, Volume 17, Issue 6, June – 2021, 8-32.
7. Dr. L Suresh Kumar, V Sandhya, V Jaipal Reddy "Efficient Activated Metal Inert Gas Welding Procedures by Various Fluxes for Welding Process" Journal of Shanghai Jiaotong University, ISSN: 1007-1172, Volume 17, Issue 6, June – 2021, Pages 11-17.
8. Ms Varimadugu Sandhya, Ms Yarramsetty Nagini, Ms Venkata Sushma chinta, Mr V. Jaipal Reddy, Ms Jyothirmayi Narne "Numerical Analysis of Engine Hood" Journal of Xi'an University of Architecture & Technology, ISSN No : 1006-7930, Volume XIII, Issue 6, 2021, pages 729-736.
9. Dr B James Prasad rao, Dr. L. Suresh Kumar, G. Gopal, V. Jaipal Reddy, Jyothirmayi "Application of genetic algorithms For modelling the EDM parameters on Machining of AISI 4340 steel" Volume 10, Issue 1, January-June, 2019, pp. 49-58, Article ID: IJPTM\_10\_01\_005 Journal Impact Factor (2019): 7.2150 (Calculated by GISI).
10. Jyothirmayi Narne, Varimadugu Sandhya, Nagini Yarramsetty & V. Jaipal Reddy, "Experimental and Numerical Investigations on Crack Propagation in Titanium alloys ", International Journal of Current Engineering and Technology, Vol-8, May 2019, Issue-4, 922-927.
11. G. Gopal, Dr. L. Suresh Kumar, V. Jaipal Reddy, M. Uma Maheshwara Rao, K. Pavan Kumar "Vibration Isolation of the wind tunnel Drive System" paper published in Science Direct materials today Conference by Elsevier Journal Volume 4, Issue 8, 2017, pages 7778-7792

#### **International /National Conferences from the Year 2017**

1. Dr. B. Veera Jyothi, Dr. L. Suresh Kumar, V. Jaipal Reddy "Design And Fabrication Of Missile Wing Gear Box" at International e-Conference on "Futuristic Trends in Mechanical, Materials & Manufacturing (ICMMM 2020)" conducted by St. Peter's Institute Of Higher Education And Research on 16.06.2020.
2. Dr. B. Veera Jyothi, Dr. L. Suresh Kumar, V. Jaipal Reddy "Design And Analysis Of Leaf Spring By Using Composite Material" at International e-Conference on "Futuristic Trends in Mechanical, materials & Manufacturing (ICMMM 2020)" conducted by St. Peter's Institute Of Higher Education And Research on 16.06.2020.

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